



State of Utah

Department of  
Environmental Quality

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DIVISION OF WATER QUALITY  
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DIV. OF OIL, GAS & MINING

January 7, 2005

Mr. Lon Thomas  
Star Stone Quarries, Inc.  
4040 South 300 West  
Salt Lake City, UT 84107

Subject: Regulation of Star Stone Quarries, Inc. Peoa Mine under UAC R317-6

Dear Mr. Thomas:

We received your letter dated January 3, 2005, requesting a response from the Division of Water Quality regarding potential regulation of State Stone's quarry under the Utah Ground Water Quality Protection Regulations (UAC R317-6).

According to information enclosed with your letter, the quarry is located in Section 20, Township 1 S., Range 5 E., and total development of the mine will cover an area of 25.7 acres. The quarry mines building stone from the Nugget Sandstone, which in this area has been intruded by Tertiary andesites.

It is likely that the materials being quarried are chemically inert, and exposing them to weathering would not cause degradation of ground water quality. However, the information provided did not state whether altered rock associated with the andesites contains leachable contaminants, or sulfide minerals that could generate acid mine drainage upon weathering. If you have not already done so, we recommend that you evaluate the potential for release of contaminants from waste rock, and if there is any such potential, the waste rock should be managed appropriately.

Based on the available information, the quarry operation would seem to pose *de minimis* potential to cause ground water contamination, and would qualify for permit-by-rule status under UAC R317-6-6.2A(25), and an individual ground water discharge permit will not be required.

While the Division of Water Quality will not directly regulate this site through a ground water discharge permit, please be aware that discharge of pollutants to ground water is illegal and you



Mr. Lon Thomas  
January 7, 2005  
Page 2

would be held responsible if the operation caused damage to beneficial uses of ground water. Accordingly, you should make every effort to keep pollutants such as oil, fuels, hydraulic fluid or paints out of stormwater retention ponds or other locations where they could affect the ground water.

Please contact Mark Novak of this office if you have any questions.

Sincerely,

A handwritten signature in cursive script, reading "Rob Herbert".

Rob Herbert, P.G.  
Manager, Ground Water Protection Section

cc: Division of Oil, Gas and Mining  
Summit County Health Dept.  
Michele Devaney, Summit County Planner

STARSTONEPBR.LTR  
FILE: MARKN